CAS ONLINE PRINTOUT

=> d his

(FILE 'HOME' ENTERED AT 08:19:13 ON 28 FEB 2008)

FILE 'REGISTRY' ENTERED AT 08:19:32 ON 28 FEB 2008
L1 STRUCTURE UPLOADED
L2 8 S L1
L3 74 S L1 FUL

FILE 'CAPLUS' ENTERED AT 08:20:13 ON 28 FEB 2008
L4 72 S L3
L5 401173 S DYE?
L6 67 S L5 AND L4
L7 18524 S MICROSPHERE OR ENCAPUL?
L8 0 S L7 AND L6

FILE 'CAPLUS' ENTERED AT 08:21:10 ON 28 FEB 2008

FILE 'USPATFULL' ENTERED AT 08:21:15 ON 28 FEB 2008
L9 19 S L6
L10 267524 S FLUORE?
L11 15 S L10 AND L4

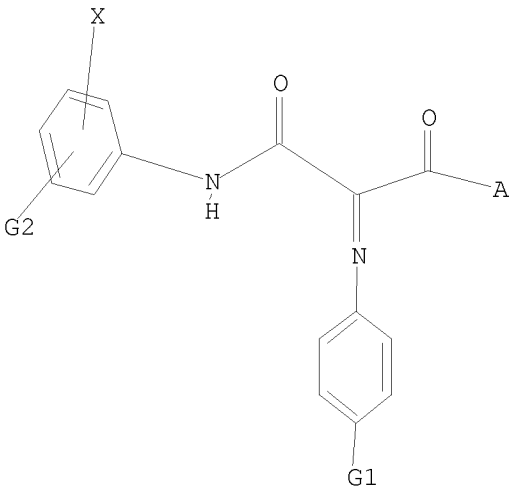
FILE 'CAPLUS' ENTERED AT 08:22:57 ON 28 FEB 2008
L12 544023 S FLUORE?
L13 2 S L12 AND L6

FILE 'CAPLUS' ENTERED AT 08:24:27 ON 28 FEB 2008

FILE 'USPATFULL' ENTERED AT 08:24:31 ON 28 FEB 2008

FILE 'REGISTRY' ENTERED AT 08:25:33 ON 28 FEB 2008
L14 STRUCTURE UPLOADED

=> d l14
L14 HAS NO ANSWERS
L14 STR



G1 N,OH

G2 C,S,N,Cy

CAS ONLINE PRINTOUT

Structure attributes must be viewed using STN Express query preparation.

=> l14 is the same querry as L1
L14 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.92	212.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.60

FILE 'USPATFULL' ENTERED AT 08:26:37 ON 28 FEB 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Feb 2008 (20080228/PD)
FILE LAST UPDATED: 28 Feb 2008 (20080228/ED)
HIGHEST GRANTED PATENT NUMBER: US7337473
HIGHEST APPLICATION PUBLICATION NUMBER: US2008052798
CA INDEXING IS CURRENT THROUGH 28 Feb 2008 (20080228/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Feb 2008 (20080228/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2007
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2007

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(FILE 'HOME' ENTERED AT 08:19:13 ON 28 FEB 2008)

FILE 'REGISTRY' ENTERED AT 08:19:32 ON 28 FEB 2008
L1 STRUCTURE UPLOADED
L2 8 S L1
L3 74 S L1 FUL

FILE 'CAPLUS' ENTERED AT 08:20:13 ON 28 FEB 2008
L4 72 S L3
L5 401173 S DYE?
L6 67 S L5 AND L4
L7 18524 S MICROSPHERE OR ENCAPUL?
L8 0 S L7 AND L6

FILE 'CAPLUS' ENTERED AT 08:21:10 ON 28 FEB 2008

FILE 'USPATFULL' ENTERED AT 08:21:15 ON 28 FEB 2008
L9 19 S L6
L10 267524 S FLUORE?
L11 15 S L10 AND L4

FILE 'CAPLUS' ENTERED AT 08:22:57 ON 28 FEB 2008
L12 544023 S FLUORE?
L13 2 S L12 AND L6

FILE 'CAPLUS' ENTERED AT 08:24:27 ON 28 FEB 2008

CAS ONLINE PRINTOUT

FILE 'USPATFULL' ENTERED AT 08:24:31 ON 28 FEB 2008

FILE 'REGISTRY' ENTERED AT 08:25:33 ON 28 FEB 2008
L14 STRUCTURE UPLOADED

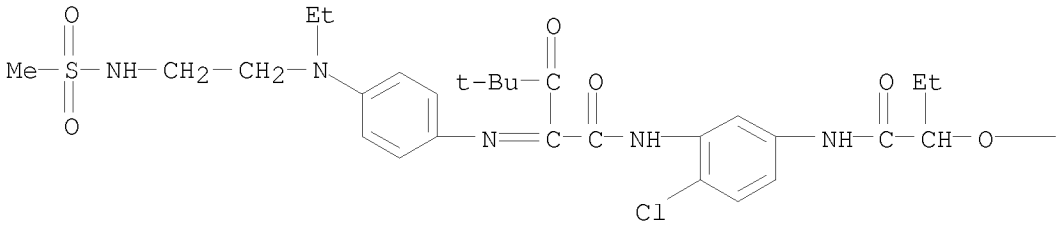
FILE 'USPATFULL' ENTERED AT 08:26:37 ON 28 FEB 2008

=> d bib abs hitstr l11 1-15

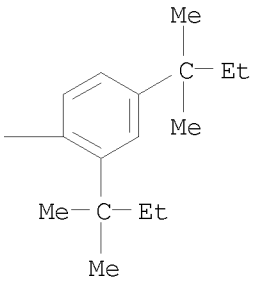
L11 ANSWER 1 OF 15 USPATFULL on STN
AN 2006:187065 USPATFULL
TI Ink set, ink cartridge, ink jet printer and recording method
IN Taguchi, Toshiki, Shizuoka, JAPAN
Yabuki, Yoshiharu, Kanagawa, JAPAN
Harada, Toru, Kanagawa, JAPAN
Wachi, Naotaka, Shizuoka, JAPAN
PA FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)
PI US 2006158499 A1 20060720
US 7316739 B2 20080108
AI US 2006-360611 A1 20060224 (11)
RLI Division of Ser. No. US 2003-645795, filed on 22 Aug 2003, PENDING
PRAI JP 2002-242238 20020822
DT Utility
FS APPLICATION
LREP SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W., SUITE 800, WASHINGTON, DC, 20037, US
CLMN Number of Claims: 11
ECL Exemplary Claim: 1-12
DRWN No Drawings
LN.CNT 3425
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The ink set of the present invention provides a high ejection stability, gives an image having an excellent hue, light-resistance and waterproofness and improves the image preservability under severe conditions in ink jet recording, in which the ink set comprising a plurality of inks different in hues, wherein the plurality of inks includes a yellow ink containing a coloring agent that is a dye having: a λmax of from 390 nm to 470 nm; an I(λmax+70 nm)/I(λmax) ratio of not greater than 0.4, in which I(λmax) is the absorbance at λmax and I(λmax+70 nm) is the absorbance at (λmax+70 nm); and a forced fading rate constant of not greater than 5.0+10.sup.-2 [hour.sup.-1], an ink cartridge having the ink set received therein, an ink jet printer comprising the ink cartridge mounted therein and an image recording method.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 663614-98-0
(dye; dyes for yellow inks in ink sets)
RN 663614-98-0 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]phenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

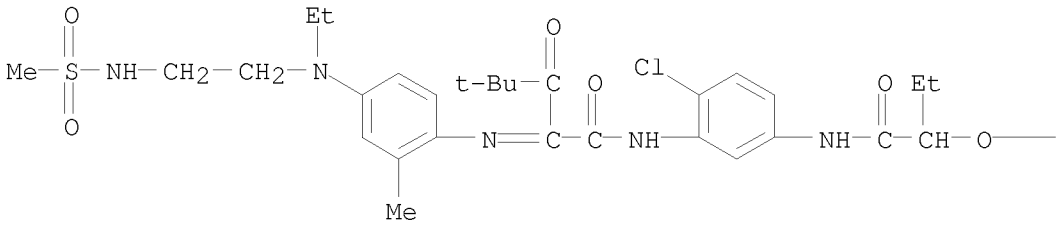


L11 ANSWER 2 OF 15 USPATFULL on STN
AN 2006:53690 USPATFULL
TI Display medium
IN Kokeguchi, Noriyuki, Tokyo, JAPAN
Ikesu, Satoru, Tokyo, JAPAN
PI US 2006045991 A1 20060302
AI US 2005-209114 A1 20050822 (11)
PRAI JP 2004-244794 20040825
DT Utility
FS APPLICATION
LREP CANTOR COLBURN, LLP, 55 GRIFFIN ROAD SOUTH, BLOOMFIELD, CT, 06002, US
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 1370
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A rewritable display containing a substrate having thereon one or more constitution layers, one of the constitution layers being a liquid crystal layer containing a liquid crystal composition which is dispersed in a binder, and one of the constitution layers containing a compound selected from the group constituted of: (a) alumina particles; (b) a layer structured inorganic compound; (c) a specific azomethine dye compound represented by Formula (D) whose structure is described in the specification; (d) a fluorescent brightening agent; and (e) a ultraviolet absorber.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(liquid crystal display medium)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-

oxo- (CA INDEX NAME)

PAGE 1-A



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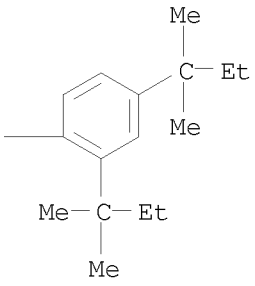
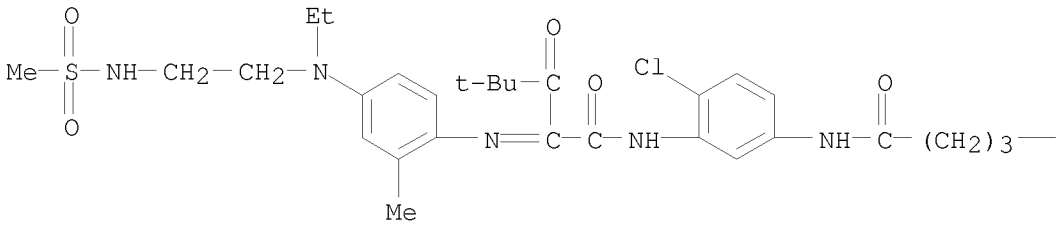


L11 ANSWER 3 OF 15 USPATFULL on STN
AN 2005:124322 USPATFULL
TI Yellow low fluorescence dye for coated optical bead random array DNA analysis
IN Chari, Krishnan, Fairport, NY, UNITED STATES
Qiao, Tiecheng A., Webster, NY, UNITED STATES
Diehl, Donald R., Rochester, NY, UNITED STATES
Chen, Samuel, Penfield, NY, UNITED STATES
PA Eastman Kodak Company (U.S. corporation)
PI US 2005106712 A1 20050519
AI US 2003-713246 A1 20031114 (10)
DT Utility
FS APPLICATION
LREP Paul A. Leipold, Eastman Kodak Company, Patent Legal Staff, 343 State Street, Rochester, NY, 14650-2201, US
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A coating composition for making a protein microarray, the composition comprising a gelling agent or a precursor to a gelling agent and microspheres; the microspheres containing a dye represented by Formula (I): ##STR1## wherein: R1 and R2 independently reprresent substituted or unsubstituted alkyl, aryl, carbocyclic ring, heterocyclic ring, or amino; and R3 represents H, alkylamino, dialkylamino, hydroxy, or alkoxy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 93550-41-5
(yellow low fluorescence dye for coated optical bead random array DNA

anal.)
RN 93550-41-5 USPATFULL
CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



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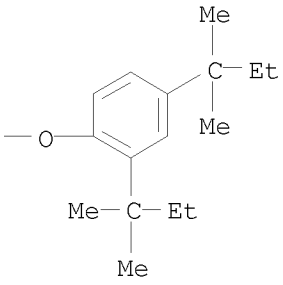
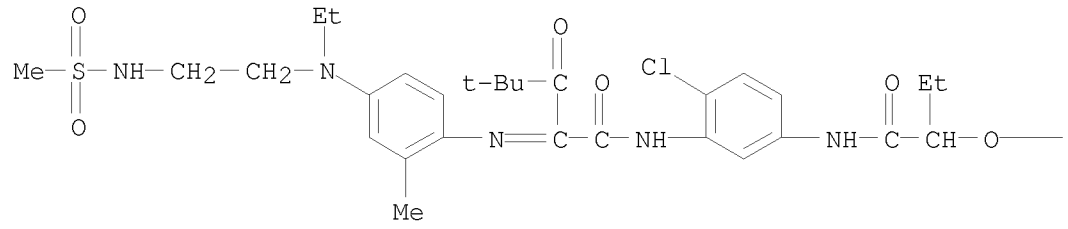


L11 ANSWER 4 OF 15 USPATFULL on STN
AN 2005:95840 USPATFULL
TI Ink composition and method of ink-jet recording
IN Ogawa, Manabu, Fujinomiya-shi, JAPAN
Nishita, Nobuhiro, Minami-Ashigara-shi, JAPAN
Tateishi, Keiichi, Minami-Aghigara-shi, JAPAN
Yamanouchi, Junichi, Minami-Ashigara-shi, JAPAN
PI US 2005081745 A1 20050421
US 7311391 B2 20071225
AI US 2003-503444 A1 20030203 (10)
WO 2003-JP1070 20030203
PRAI JP 2002-26838 20020204
JP 2003-200226839 20020204
JP 2003-2002339984 20020212
JP 2003-200234325 20020212
DT Utility
FS APPLICATION
LREP SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W., SUITE 800, WASHINGTON, DC, 20037, US
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4059
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink composition comprising: at least one dye having an oxidation potential of more positive than 1.0 V dissolved or dispersed in an

aqueous medium; and a surface active agent in an amount of from 0.05 to 50 g/l. The ink composition having the aforesaid constitution exhibits a high ejection stability and can provide an image having assured hue and an excellent weathering resistance and being free of defects in water resistance and image quality.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(pigment; ink compns. with good discharge stability, hues, and weather and water resistance)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



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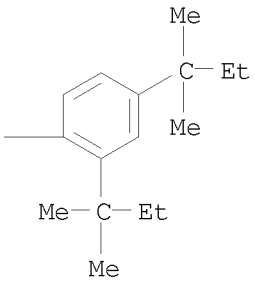


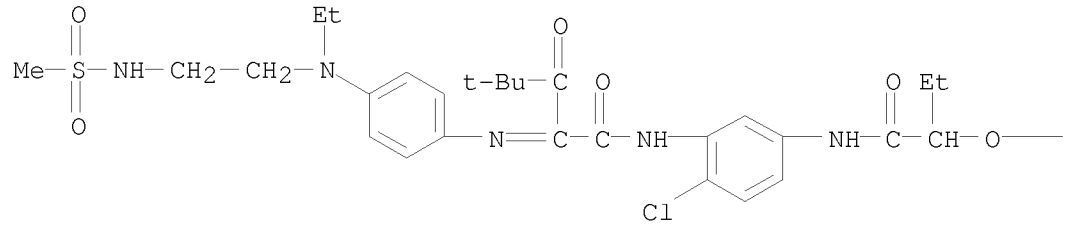
L11 ANSWER 5 OF 15 USPATFULL on STN
AN 2004:67075 USPATFULL
TI Ink set, ink cartridge, ink jet printer and recording method
IN Taguchi, Toshiki, Shizuoka, JAPAN
Yabuki, Yoshiharu, Kanagawa, JAPAN
Harada, Toru, Kanagawa, JAPAN
Wachi, Naotaka, Shizuoka, JAPAN
PA FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)
PI US 2004050291 A1 20040318
US 7083668 B2 20060801
AI US 2003-645795 A1 20030822 (10)
PRAI JP 2002-242238 20020822
DT Utility
FS APPLICATION
LREP SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20037
CLMN Number of Claims: 12

CAS ONLINE PRINTOUT

ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3491
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The ink set of the present invention provides a high ejection stability, gives an image having an excellent hue, light-resistance and waterproofness and improves the image preservability under severe conditions in ink jet recording, in which the ink set comprising a plurality of inks different in hues, wherein the plurality of inks includes a yellow ink containing a coloring agent that is a dye having: a λmax of from 390 nm to 470 nm; an I(λmax+70 nm)/I(λmax) ratio of not greater than 0.4, in which I(λmax) is the absorbance at λmax and I(λmax+70 nm) is the absorbance at (λmax+70 nm); and a forced fading rate constant of not greater than 5.0+10.sup.-2 [hour.sup.-1], an ink cartridge having the ink set received therein, an ink jet printer comprising the ink cartridge mounted therein and an image recording method.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 663614-98-0
(dye; dyes for yellow inks in ink sets)
RN 663614-98-0 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]phenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



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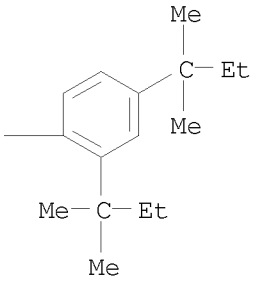


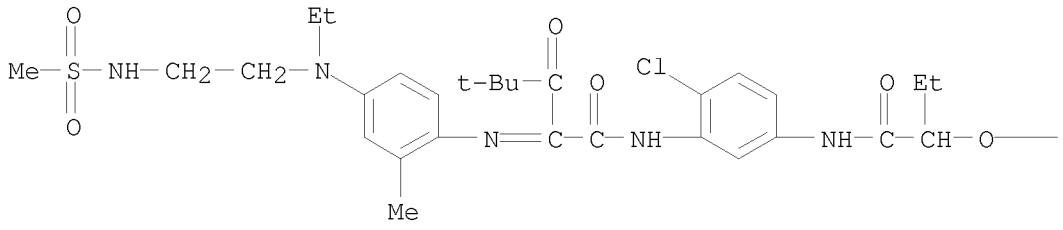
L11 ANSWER 6 OF 15 USPATFULL on STN
AN 2003:317225 USPATFULL
TI Coloring composition, ink-jet ink and ink jet recording method
IN Yamanouchi, Junichi, Kanagawa, JAPAN
Yamada, Makoto, Kanagawa, JAPAN

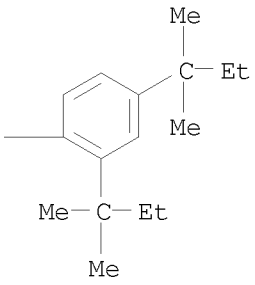
CAS ONLINE PRINTOUT

PI US 2003222959 A1 20031204
US 6713528 B2 20040330
AI US 2001-800776 A1 20010308 (9)
PRAI JP 2000-78518 20000321
JP 2000-203856 20000705
DT Utility
FS APPLICATION
LREP BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2330
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink-jet ink which contains a coloring composition which is formed by dispersing coloring particulates in a water-based medium, and the coloring particulates containing a nonionic oil-soluble polymer, a hydrophobic high boiling point organic solvent having a boiling point of 150° C. or more, and an oil-soluble dye. Further, an ink jet recording method, in which recording is carried out using an ink-jet ink which contains a coloring composition, the coloring composition being formed by dispersing coloring particulates in a water-based medium, and the coloring particulates containing a nonionic oil-soluble polymer, a hydrophobic high boiling point organic solvent having a boiling point of 150° C. or more, and an oil-soluble dye.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(oil-soluble dye- and nonionic polymer- and hydrophobic high b.p. organic solvent-based dispersions for aqueous ink-jet inks)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



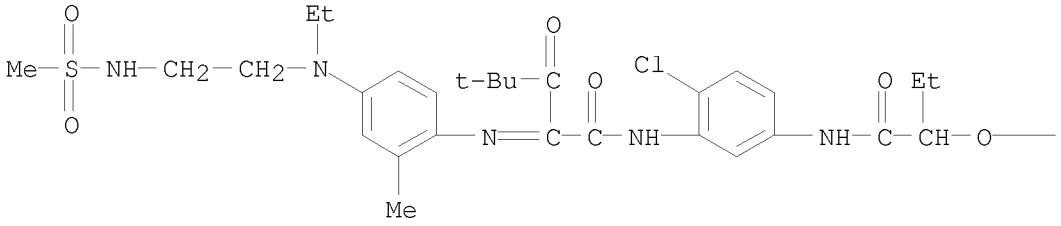


L11 ANSWER 7 OF 15 USPATFULL on STN
AN 2002:259503 USPATFULL
TI Ink for ink jet recording, method of producing ink for ink jet recording,and ink jet recording method
IN Yamanouchi, Junichi, Kanagawa, JAPAN
Ishizuka, Takahiro, Kanagawa, JAPAN
Yabuki, Yoshiharu, Kanagawa, JAPAN
PI US 2002143079 A1 20021003
US 6800673 B2 20041005
AI US 2001-922842 A1 20010807 (9)
PRAI JP 2000-238817 20000807
JP 2001-230507 20010730
DT Utility
FS APPLICATION
LREP Platon N. Mandros, BURNS, DOANE,SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4140
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink for ink jet recording which inclides a water-insoluble ionic group-containing polymer added to a colored fine particle dispersion containing at least a hydrophobic high-boiling organic solvent having a boiling point of 150° C. or more and an oil-soluble dye. In a preferred embodiment, the water-insoluble ionic group-containing polymer is converted by emulsification dispersion into a fine particle dispersion and added to the colored fine particle dispersion, and the oil-soluble dye is represented by specific formulae.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(water-based ink-jet inks prepared by mixing water-insol. ionic group-containing polymers with dispersions containing organic solvents and oil-soluble dyes)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

CAS ONLINE PRINTOUT

PAGE 1-A



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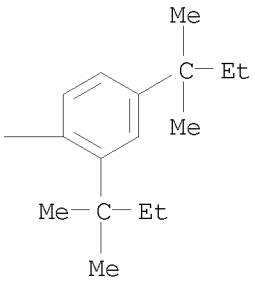


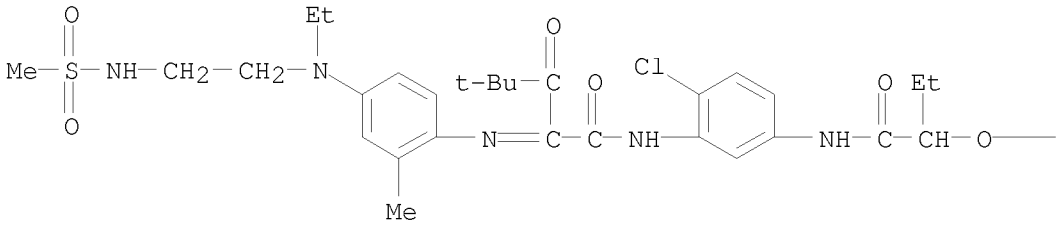
L11 ANSWER 8 OF 15 USPATFULL on STN
AN 2002:211304 USPATFULL
TI Ink for ink jet and ink jet recording method
IN Naruse, Hideaki, Minami-Ashigara-shi, JAPAN
Omatsu, Tadashi, Minami-Ashigara-shi, JAPAN
PI US 2002112641 A1 20020822
US 6716277 B2 20040406
AI US 2001-861635 A1 20010522 (9)
PRAI JP 2000-151105 20000523
JP 2000-309683 20001010
DT Utility
FS APPLICATION
LREP BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2086
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink for an ink jet, the ink being formed by dispersing in a water-based medium an oil-soluble dye that is dissolved in a high boiling point organic solvent, with the ink containing a compound having in a molecule at least one carbon-carbon unsaturated bond that is different from a phenyl group. Further, an ink jet recording method, the method comprising recording on an image receiving material having an image receiving layer including white inorganic pigment particles on a support, the method using an ink for an ink jet, with the ink being formed by dispersing in a water-based medium an oil-soluble dye that is dissolved in a high boiling point organic solvent, and the ink containing a compound having in a molecule at least one carbon-carbon unsaturated bond that is different from a phenyl group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CAS ONLINE PRINTOUT

IT 118150-13-3
(ink-jet printing inks containing oil-soluble dyes, unsatd. compds., and high-boiling solvents)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



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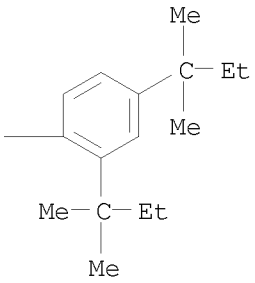
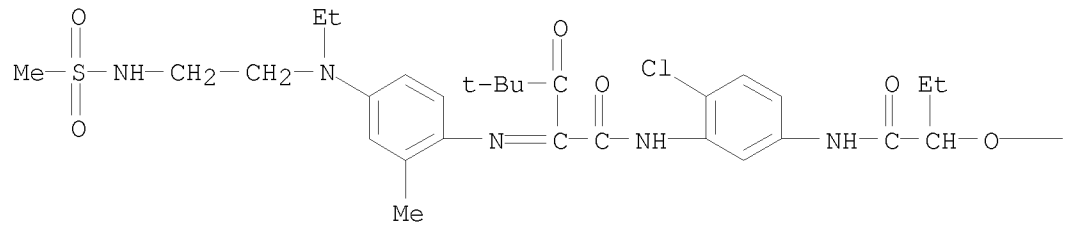


L11 ANSWER 9 OF 15 USPATFULL on STN
AN 2002:199191 USPATFULL
TI Coloring composition, ink for ink jet recording and ink jet recording method
IN Yamanouchi, Junichi, Kanagawa, JAPAN
Yamada, Makoto, Kanagawa, JAPAN
Yabuki, Yoshiharu, Kanagawa, JAPAN
PI US 2002107301 A1 20020808
AI US 2001-905859 A1 20010717 (9)
PRAI JP 2000-216511 20000717
JP 2001-211417 20010711
DT Utility
FS APPLICATION
LREP BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3745
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A coloring composition having no paper-dependency, having excellent color developability and hue when printed on optionally selected paper, having excellent ink permeability with respect to paper for photographic image quality, leaving no stains directly after printing, having

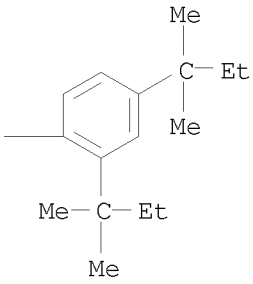
excellent water resistance and image fastness, enabling high recording concentration and high image quality, and which is suitable for water-based ink for writing, water-based printing ink, information recording ink and the like; and ink for ink jet recording, the ink using the coloring composition. The coloring composition includes a polymer latex and a coloring particulate dispersion including particulate composed of at least an oil-soluble dye and a hydrophobic organic solvent having a boiling point of no less than 150° C. The polymer latex preferably includes on a main chain or side chain thereof an ethylene unsaturated group. The oil-soluble dye is preferably an oil-soluble dye represented by general formula (I), (M-I), and (C-I) below. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(water-thinned jet printing inks with good dryability, lightfastness, and water resistance)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L11 ANSWER 10 OF 15 USPATFULL on STN
AN 2002:132557 USPATFULL
TI Ink-jet image recording method
IN Nishita, Nobuhiro, Kanagawa, JAPAN
PI US 2002067402 A1 20020606
US 6543888 B2 20030408
AI US 2001-975992 A1 20011015 (9)
PRAI JP 2000-315231 20001016
DT Utility
FS APPLICATION

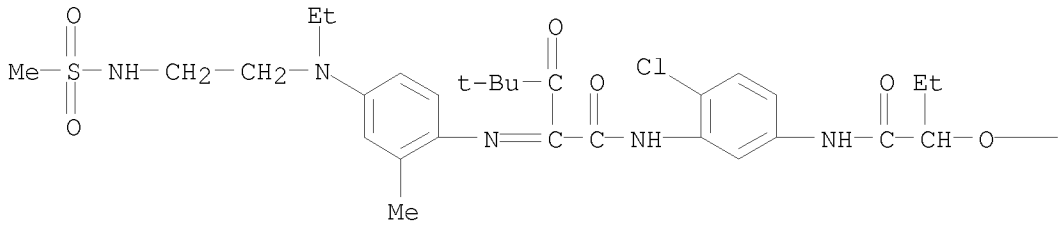
CAS ONLINE PRINTOUT

LREP Platon N. Mandros, BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2033
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink-jet image recording method comprising: forming an image by ejecting an ink composition for ink-jet recording comprising an oil-soluble dye onto an image-receiving material;

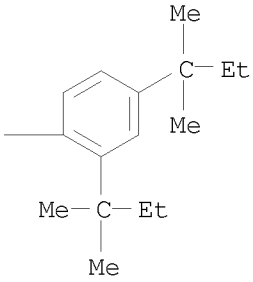
applying a solution comprising a dispersion of fine polymer particles to the image-receiving material simultaneously with or after the forming of an image; and forming a coating film comprising the dispersion of fine polymer particles by heating the image-receiving material after the applying of a solution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(oil-soluble dyes; ink-jet recording or printing method using oil-soluble dyes)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

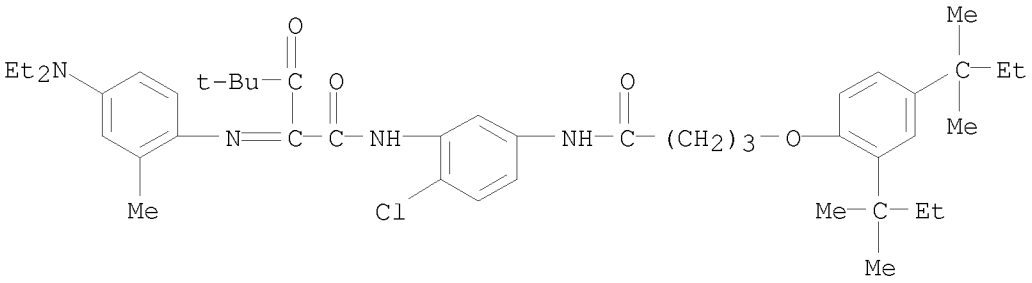


L11 ANSWER 11 OF 15 USPATFULL on STN
AN 2002:88189 USPATFULL
TI Photobleachable composition, photographic element containing the composition and photobleachable method
IN Goswami, Ramanuj, Webster, NY, United States
Farid, Samir Y., Rochester, NY, United States

CAS ONLINE PRINTOUT

Perry, Robert J., Niskayuna, NY, United States
Zielinski, Paul A., Rochester, NY, United States
Gould, Ian R., Phoenix, AZ, United States
Williams, Kevin W., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 6376163 B1 20020423
AI US 2000-510002 20000222 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Le, Hoa Van
LREP Rice, Edith A.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 903
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A UV or visible-light sensitive photobleachable dye composition substantially free of polymerizable monomer comprising a photobleachable dye and an N-oxyazinium compound, a photographic element containing such a photobleachable composition, and a method for bleaching a photographic element.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 359013-59-5
(dye; photobleachable composition containing dye and oxyazinium compound)
RN 359013-59-5 USPATFULL
CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-(diethylamino)-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)



L11 ANSWER 12 OF 15 USPATFULL on STN
AN 2001:199925 USPATFULL
TI Method for measuring protease activity
IN Nemori, Ryoichi, Kanagawa, Japan
Nakamura, Koki, Kanagawa, Japan
Naruse, Hideaki, Kanagawa, Japan
PI US 2001039029 A1 20011108
US 6485926 B2 20021126
AI US 2000-742296 A1 20001222 (9)
PRAI JP 1999-365074 19991222
DT Utility
FS APPLICATION
LREP SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, SUITE 800, 2100 PENNSYLVANIA AVENUE, N. W., WASHINGTON, DC, 20037-3213
CLMN Number of Claims: 8
ECL Exemplary Claim: 1

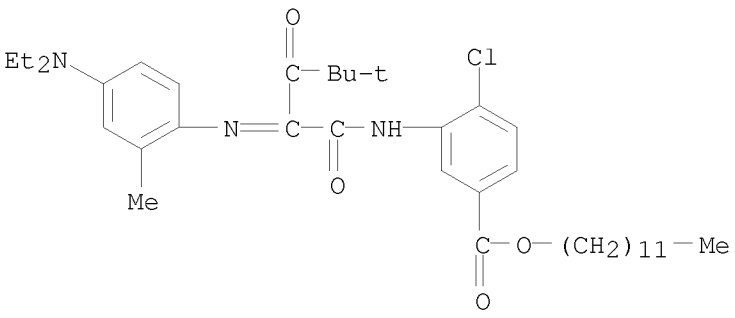
CAS ONLINE PRINTOUT

DRWN No Drawings
LN.CNT 981
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for measuring protease activity, which comprises the steps of:

(1) bringing a biosample containing a protease into contact with a crosslinked and/or substantially water-insoluble thin membrane that is formed on a support surface and contains at least one colorant selected from the group consisting of an emulsion-dispersed colorant and a solid-dispersed colorant and a protease substrate; and

(2) washing the thin membrane with an aqueous medium and detecting traces of digestion formed on the thin membrane by an action of the protease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 357922-76-0
(method for measuring proteinase activity using thin film)
RN 357922-76-0 USPATFULL
CN Benzoic acid, 4-chloro-3-[[2-[[4-(diethylamino)-2-methylphenyl]imino]-4,4-dimethyl-1,3-dioxopentyl]amino]-, dodecyl ester (CA INDEX NAME)

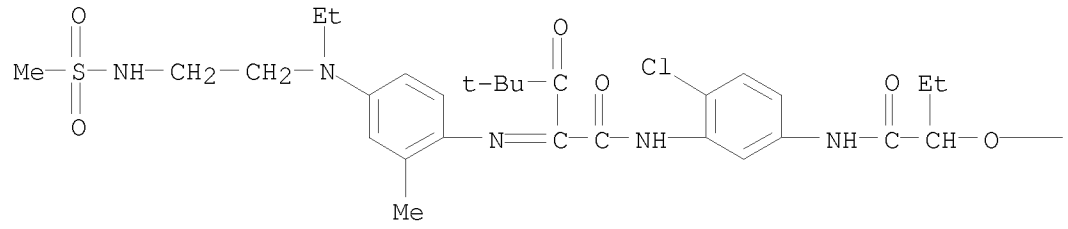


L11 ANSWER 13 OF 15 USPATFULL on STN
AN 2001:194464 USPATFULL
TI Coloring composition, ink-jet ink and ink-jet recording method
IN Yamanouchi, Junichi, Kanagawa, Japan
Yamada, Makoto, Kanagawa, Japan
PI US 2001036979 A1 20011101
AI US 2001-800649 A1 20010308 (9)
PRAI JP 2000-78531 20000321
JP 2000-203857 20000705
DT Utility
FS APPLICATION
LREP BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2744
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An ink-jet ink which is excellent in handling properties, odor, safety, and dispersion stability of a coloring particulate, and which shows no paper-dependency, manifests excellent color developing property and hue when printed on any type of paper, and has various excellent properties. In the ink-jet ink, a coloring composition containing a coloring

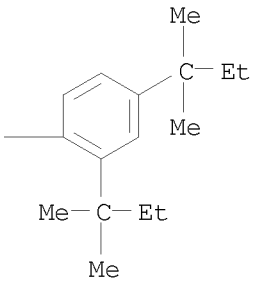
particulate containing an ionic-group-containing polymer, an oil-soluble dye, and a hydrophobic high-boiling-point organic solvent having a boiling point of at least 150° C., the coloring particulate being dispersed in a water-based medium, wherein content of the hydrophobic high-boiling-point organic solvent in the coloring composition is at least 25% by mass and not more than 95% by mass with respect to a total amount of the ionic-group-containing polymer, the oil-soluble dye, and the hydrophobic high-boiling-point organic solvent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 118150-13-3
(ink-jet ink sets containing ionic polymers and oil-soluble dyes)
RN 118150-13-3 USPATFULL
CN Pentanamide, N-[5-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L11 ANSWER 14 OF 15 USPATFULL on STN
AN 1999:163406 USPATFULL
TI Photographic element having a annealable transparent magnetic recording layer
IN Yacobucci, Paul D., Rochester, NY, United States
James, Robert O., Rochester, NY, United States
Falkner, Catherine A., Rochester, NY, United States
Musshafen, George, Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 6001550 19991214
AI US 1998-157456 19980921 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Baxter, Janet; Assistant Examiner: Walke, Amanda C.
LREP Sarah Meeks Roberts

CAS ONLINE PRINTOUT

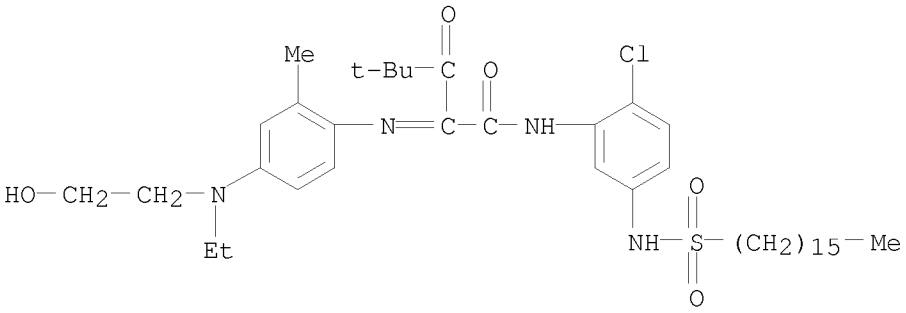
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 810
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to a silver halide photographic element comprising

a support having a frontside and a backside;

a light-sensitive silver halide emulsion layer superposed on the frontside of the support; and

a transparent magnetic recording layer superposed on the backside of the support, said magnetic recording layer comprising magnetized particles, a dispersing agent and an aromatic polyester binder having a Tg of greater than 150° C.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 66037-08-9P
(photog. element having light-sensitive silver halide emulsion layer and color photog. recording material containing)
RN 66037-08-9 USPATFULL
CN Pentanamide, N-[2-chloro-5-[(hexadecylsulfonyl)amino]phenyl]-2-[[4-[ethyl(2-hydroxyethyl)amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

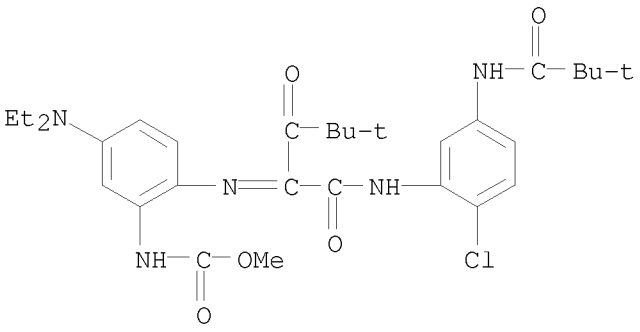


L11 ANSWER 15 OF 15 USPATFULL on STN
AN 93:69832 USPATFULL
TI Heat-transfer dye-donating material
IN Mikoshiba, Hisashi, Kanagawa, Japan
Tanaka, Mitsugu, Kanagawa, Japan
Kubodera, Seiiti, Kanagawa, Japan
PA Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)
PI US 5238903 19930824
AI US 1991-658898 19910222 (7)
PRAI JP 1990-40942 19900223
DT Utility
FS Granted
EXNAM Primary Examiner: Hess, B. Hamilton
LREP Sughrue, Mion, Zinn, Macpeak & Seas
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1176

CAS ONLINE PRINTOUT

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a heat-transferring dye-donating material having a heat-transferring dye-donating layer containing a heat transferring dye on a support, which is characterized in that the heat-transferring dye is an azomethine dye where the benzene ring in the part corresponding to the developing agent is substituted by an atomic group represented by formula (Ia): ##STR1## wherein X represents an alkoxy group, an aryloxy group or an amino group and R.sub.16 represents a hydrogen atom or an alkyl group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 139509-17-4P
(manufacture of, as heat- and lightfast dye for thermal transfers)
RN 139509-17-4 USPATFULL
CN Carbamic acid, [2-[[1-[[[2-chloro-5-[(2,2-dimethyl-1-oxopropyl)amino]phenyl]amino]carbonyl]-3,3-dimethyl-2-oxobutylidene]amino]-5-(diethylamino)phenyl]-, methyl ester (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 08:50:52 ON 28 FEB 2008)

FILE 'REGISTRY' ENTERED AT 08:51:08 ON 28 FEB 2008
E 93550-41-5/RN
L1 1 S E3

FILE 'CAPLUS' ENTERED AT 08:51:29 ON 28 FEB 2008
L2 5 S L1

=> d bib abs hitstr 1-5

L2 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:429326 CAPLUS
DN 142:459703
TI Yellow low fluorescence dye for coated optical bead random array DNA analysis
IN Chari, Krishnan; Qiao, Tiecheng A.; Diehl, Donald R.; Chen, Samuel
PA Eastman Kodak Company, USA
SO U.S. Pat. Appl. Publ., 15 pp.
CODEN: USXXCO
DT Patent
LA English

CAS ONLINE PRINTOUT

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005106712	A1	20050519	US 2003-713246	20031114
PRAI	US 2003-713246		20031114		

OS MARPAT 142:459703

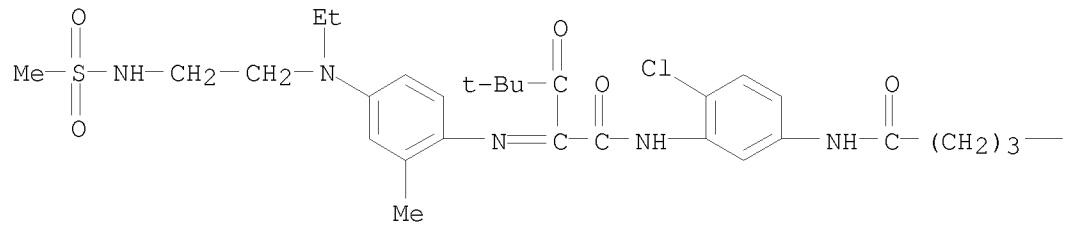
AB A coating composition for making a protein microarray, the composition comprising a gelling agent or a precursor to a gelling agent and microspheres; the microspheres containing a dye represented by Formula (I): wherein: R1 and R2 independently represent substituted or unsubstituted alkyl, aryl, carbocyclic ring, heterocyclic ring, or amino; and R3 represents H, alkylamino, dialkylamino, hydroxy, or alkoxy.

IT 93550-41-5
RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(yellow low fluorescence dye for coated optical bead random array DNA anal.)

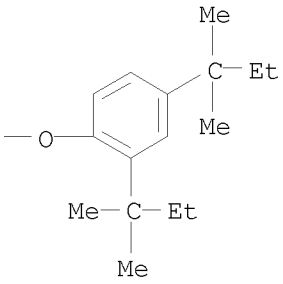
RN 93550-41-5 CAPLUS

CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L2 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:607528 CAPLUS

DN 139:151231

TI Radiation-curable ink-jet inks and image recording method

IN Ishizuka, Takahiro; Yamanouchi, Junichi

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

CAS ONLINE PRINTOUT

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003221530	A	20030808	JP 2002-21722	20020130
	US 2004010052	A1	20040115	US 2003-352860	20030129
	US 7256222	B2	20070814		
PRAI	JP 2002-21651	A	20020130		
	JP 2002-21722	A	20020130		
	JP 2002-22066	A	20020130		

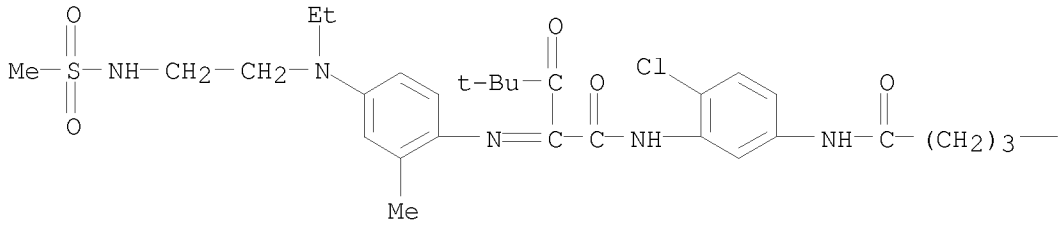
AB The compns. comprise monomers, oil-soluble dyes, and storage stabilizers, wherein the dyes are dissolved in the inks. Thus, an ink containing an oil-soluble dye, 1,6-hexanediol diacrylate, pentaerythritol tetraacrylate, N-vinylformamide, hydroquinone monomethyl ether (storage stabilizer), surfactants, photoinitiators, and additives showed good storage stability and photocurability. The inks can produce images with good water and light resistance.

IT 93550-41-5
RL: TEM (Technical or engineered material use); USES (Uses)
(storage-stable oil-soluble dye-based radiation-curable ink-jet inks with good light and water resistance)

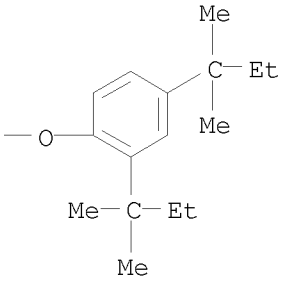
RN 93550-41-5 CAPLUS

CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L2 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1989:31446 CAPLUS

DN 110:31446

TI Color photographic seal print having high quality and durability

IN Shiba, Keisuke; Sakanoe, Seiki

PA Fuji Photo Film Co., Ltd., Japan

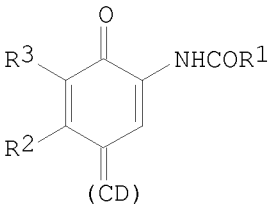
SO Jpn. Kokai Tokkyo Koho, 29 pp.

CAS ONLINE PRINTOUT

CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 63104050	A	19880509	JP 1986-251481	19861022
JP 2639425	B2	19970813		
PRAI JP 1986-251481		19861022		

GI



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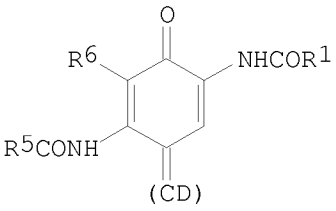
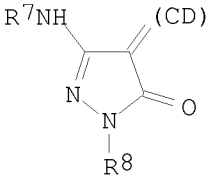
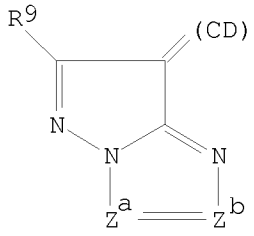


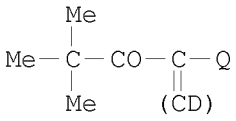
II



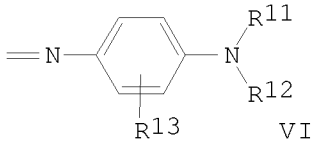
III



IV



V



VI

AB In a seal print (sic) comprising an imagewise printed color photog. paper (50-200 μm thick) having an adhesive layer on its reverse side, the photog. paper has cyan images of dye I or II [R1, R4, R5 = aliphatic, aromatic, heterocyclyl, aromatic amino, heterocyclic amino; R2 = aliphatic; R3, R6 = H, halo, aliphatic, aliphatic oxy, acylamino; R2 and R3, and R5 and R6 may form 5-7 membered ring together; and CD = moiety of an oxidized aromatic primary amine developing agent], magenta images of dyes III or IV [R7, R6 = Ph; R9 = H, substituent; Za, Zb = CH, CR10, N; and R10 = substituent], and a yellow image of dyes V [Q = N-phenylcarbamoyl]. CD is represented by VI (R11, R12 = alkyl; and R13 = H, substituent).

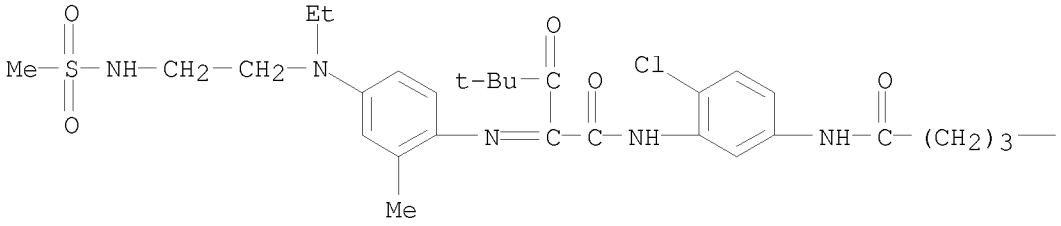
IT 93550-41-5
RL: USES (Uses)
(yellow dye, color seal prints with images from)

RN 93550-41-5 CAPLUS

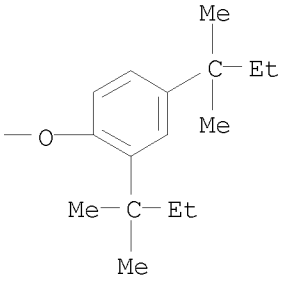
CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

CAS ONLINE PRINTOUT

PAGE 1-A



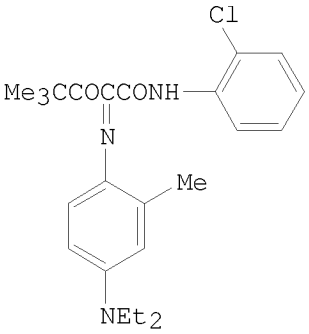
PAGE 1-B



L2 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1985:407737 CAPLUS
DN 103:7737
OREF 103:1373a,1376a
TI Dyes by oxidative condensation of color formers and reducing agents
PA Konishiroku Photo Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60032851	A	19850220	JP 1983-140739	19830801
PRAI	JP 1983-140739		19830801		

GI



I

CAS ONLINE PRINTOUT

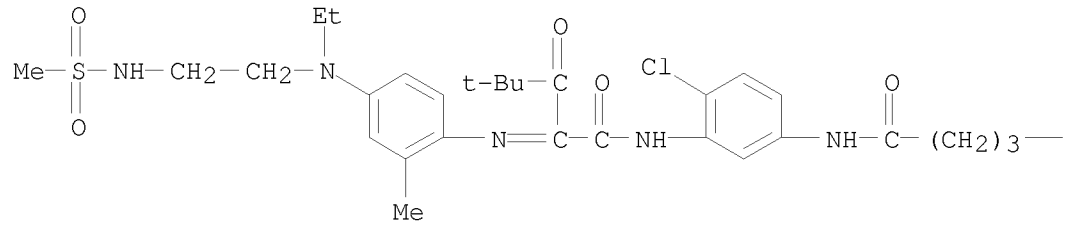
AB The title dyes were prepared by oxidative condensation of a color former such as a photog. coupler and a reducing agent such as a photog. color developer in the presence of a peroxide. Thus, Me3CCOCH2CONHC6H4Cl-2 [71384-53-7] in EtOAc was stirred with 20% aqueous K2CO3 (pH 11.5), mixed with powdered Ag catalyst and 4-(diethylamino)-2-methylaniline-HCl, treated slowly with 3% H2O2, and stirred for 1 h to give 68% I [71812-03-8].

IT 93550-41-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dye, manufacture of)

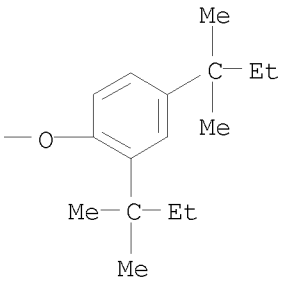
RN 93550-41-5 CAPLUS

CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



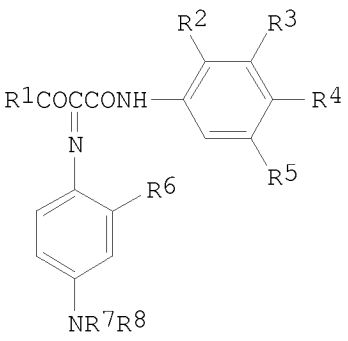
PAGE 1-B



L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1985:14967 CAPLUS
DN 102:14967
OREF 102:2389a,2392a
TI Silver halide color photographic material
PA Konishiroku Photo Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59005246	A	19840112	JP 1982-114641	19820630
	JP 05046532	B	19930714		
PRAI	JP 1982-114641		19820630		

GI



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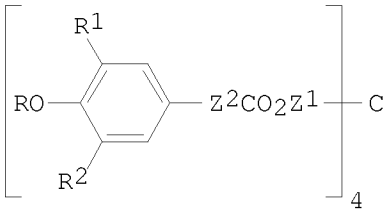


II

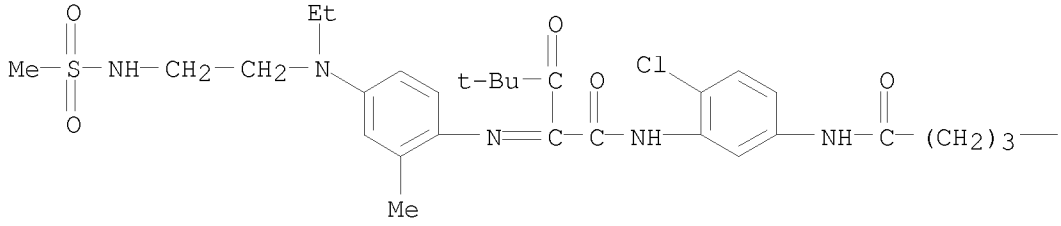
AB In a Ag halide color photog. material in which a yellow dye (I; R1 = alkyl, alkenyl, aryl, heterocyclyl; R2 = halo, alkoxy, aryloxy; R3, R4, R5 = H, halo, alkyl, alkenyl, alkoxy, aryl, aryloxy, sulfonyl, carboxyl, alkoxycarbonyl, carbamoyl, sulfamoyl, sulfonamido, acylamido, ureido, amino; R6 = H, alkyl; R7, R8 = alkyl)-containing layer is deposited on a support, a compound of the formula II (R = H, alkyl, aryl; R1, R2 = alkyl; Z1 = alkylene or arylene; Z2 = alkylene) is incorporated in the same or an adjacent layer. The yellow image obtained is highly light stable.

IT 93550-41-5
RL: USES (Uses)
(photog. yellow dye images from, stabilization of)

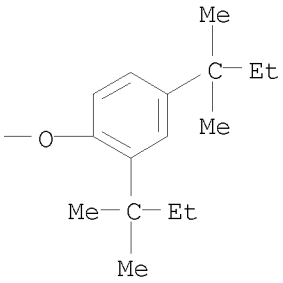
RN 93550-41-5 CAPLUS

CN Pentanamide, N-[5-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]-2-chlorophenyl]-2-[[4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]imino]-4,4-dimethyl-3-oxo- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



CAS ONLINE PRINTOUT

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